

### REMARKS

Below, the applicant's comments are preceded by related remarks of the examiner set forth in small bold font.

**The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference characters mentioned in the description:**

**Reference characters, e.g., step 50, as described in the specification at page 4, paragraph 4, step 52, as described in paragraph 2, page 6 of the specification, and step 56, and step 58, as described in paragraph 4, page 6 of the specification, are not shown in figure 17 of the drawing.**

Figure 17 has been amended.

**Control points  $P_1$ ,  $P_0$ , and  $P_3$  as suggested in the disclosure at page 5, paragraph 3 is not depicted in the drawing.**

Figure 6 has been amended.

**Also, the disclosure, at paragraph 4 or page 5, made reference to AX (section 1), XY (section 2), and YB (section 3) – none of the disclosure one of which is illustrated in the drawings.**

Figure 6 has been amended.

**Curve C, points  $C(i/3)$ ,  $C(t_{drag})$ , and  $P(t_{drag})$  as described in paragraph 5 at page 5 of the disclosure is not in Fig. 6.**

Figure 6 has been amended.

**Curve  $C(i/d)$ , as described at page 7, is not shown in Fig. 7.**

Figure 7 has been amended.

**Figure 8 fails to show surface  $S(U_{drag}, v_{drag})$ ,  $P_{set}$ , as suggested at page 7 paragraph 4 of the disclosure.**

Figure 8 has been amended.

**Handle locations  $S(1/2, 0)$ ,  $S(1/4, 1/2)$  as suggested at pages 9 and 10 are not shown in the drawings.**

Figure 7 has been amended.

**The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "receiving" step and the "determining" steps of claims 1, 16-17, and claims 23-24 must be shown or the features canceled from the claim(s).**

The applicant respectfully disagrees.

As described on page 4, lines 10-14 of the specification, "In order to manipulate the curve, we wish to drag a particular point on the curve  $C(t_{\text{drag}})$  to a point  $P_{\text{drag}}$ ... doing this requires first determining  $t_{\text{drag}}$ , which is the parameter of the curve that corresponds to the point on the curve to be moved to the new location." Thus, the receiving step is included in the determining step shown in figure 17.

The step of determining the control points is shown in block 54 of figure 17.

**2. Claims 1-17, and 23-24 are allowed over the prior art because the reference of record fails to teach: in response to a user-specified change in position of any arbitrary target location on a Bezier shape governed by control points, determining new positions for canonical locations of the Bezier shape based on predetermined behaviors of the canonical locations with respect to the user-specified change in position. The positions of the canonical locations along the Bezier shape being predefined to divide the Bezier shape into sections of predetermined proportions such that a particular one of canonical locations at least sometimes has two different predefined behaviors, with respect to the user-specified change in position, when the user-specified arbitrary target location is respectively in different sections of the shape and determining the control points for a new Bezier shape based on the new positions of the canonical locations.**

The applicant acknowledges the allowance of claims. The applicant notes that there may be other good reasons for the patentability of the allowed claims, and other claims.

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this

Applicant : Martin E. Newell et al.  
Serial No. : 09/458,917  
Filed : December 10, 1999  
Page : 11 of 11

Attorney's Docket No.: 07844-353001 / P328

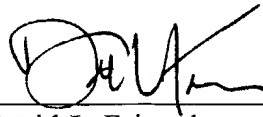
paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

Please apply any other charges or credits to deposit account 06-1050 referencing attorney docket number 07844-353001.

Respectfully submitted,

Date: \_\_\_\_\_

9/10/4



David L. Feigenbaum  
Reg. No. 30,378

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906